IN THE CLAIMS:

Delete claims 8 - 24.

Add claims 25 - 30.

25. (New) A method of forming a damascene structure, comprising:

providing a substrate;

forming a dielectric layer over the substrate;

patterning the dielectric layer to form an opening that exposes a portion of the substrate;

forming a metallic layer over the substrate so that the opening is completely filled;

performing chemical-mechanical polishing to remove a portion of the metallic layer; and

treating the substrate using an aqueous solution of ozone so that contaminants on a surface of the substrate are removed.

- 26. (New) The method of claim 25, wherein a concentration of ozone in the aqueous solution is between about 10 ppm and 200 ppm.
- 27. (New) The method of claim 25, wherein step of treating the substrate is performed by a first buffer-polishing process.
- 28. (New) The method of claim 25, wherein the step of treating the substrate is performed by a water-cleaning process.
- 29. (New) The method of claim 28, wherein the water-cleaning step includes providing an inertial mechanical force of between about 0.5 psi and 3 psi.

30. (New) The method of claim 28, further includes:

forming a barrier layer over the substrate, wherein the barrier layer is conformal to the surface profile of the substrate and covers the dielectric layer before forming a metallic layer process but after patterning the dielectric layer process; and

performing barrier layer chemical-mechanical polishing to remove a portion of the barrier layer and expose the dielectric layer after performing chemical-mechanical polishing process.

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Respectfully submitted,

Charles C.H. Wu Reg. No. 39,081

Attorney for Applicant

WU & CHEUNG, L.L.P.

7700 Irvine Center Drive, Suite 710

Irvine, California 92618-3043

Tel: (949) 251-0111 Fax: (949) 251-1588

E-MAIL: CCHWU @ EARTHLINK.NET

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